

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/065007 A1

(51) International Patent Classification⁷: **B01J 31/40, 38/52, C07C 45/50**

(21) International Application Number: **PCT/IB2004/000080**

(22) International Filing Date: 15 January 2004 (15.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 2003/0484 17 January 2003 (17.01.2003) ZA

(71) Applicant (for all designated States except US): **SASOL TECHNOLOGY (PROPRIETARY) LIMITED** [ZA/ZA]; 1 Sturdee Avenue, Rosebank, 2196 Johannesburg (ZA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAKHANYA, Lindokuhle, Trevor** [ZA/ZA]; 304 Alwyn Flats, 1947 Sasolburg (ZA). **CRAUSE, Chantelle** [ZA/ZA]; 8 Poet's Place, 42 Poet's Avenue, Randhart, 1449 Alberton (ZA). **PHAHO, David, Sekgweng** [ZA/ZA]; 3 Tygerberg Street, Vaalpark, 1947 Sasolburg (ZA). **GROVE, Jacobus, Johannes, Cronje** [ZA/ZA]; 3 Mariepskop Villa, 9 Mariepskop Road, Glenvista, 2091 Johannesburg (ZA).

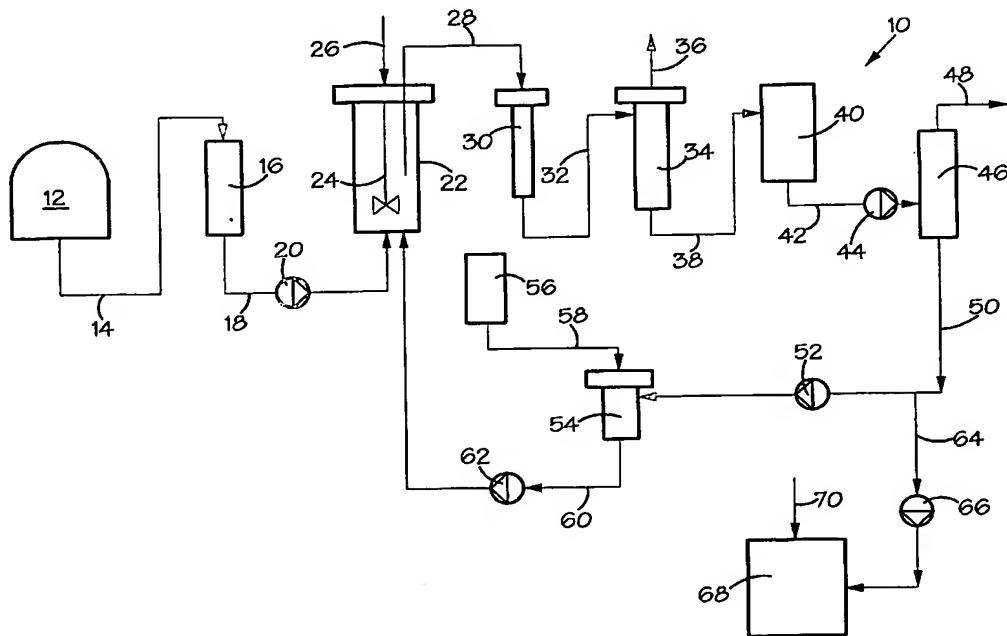
(74) Agent: **KOTZE, Gavin, Salomon; Adams & Adams, Adams & Adams Place, 1140 Prospect Street, Hatfield, P.O.Box 1014, 0001 Pretoria (ZA).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

[Continued on next page]

(54) Title: RECOVERY OF AN ACTIVE CATALYST COMPONENT FROM A PROCESS STREAM



(57) Abstract: A process for recovering an active catalyst component from a process stream containing, in addition to dissolved active catalyst component, also at least aldehydes, acetals and/or esters, includes admixing an alcohol component comprising at least one C1 to C10 alcohol, with the process stream to form solid active catalyst component. The solid active catalyst component is recovered from a residual alcohol-rich phase.



GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, — TR, OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.